

APPLN. FILING DATE: JUNE 7, 2001

TITLE: SYSTEM AND METHOD FOR LINK ADAPTATION IN
COMMUNICATION SYSTEMS

INVENTOR(S): JACOBUS HAARTSEN

APPLICATION No.: UNASSIGNED

SHEET 1 OF 6

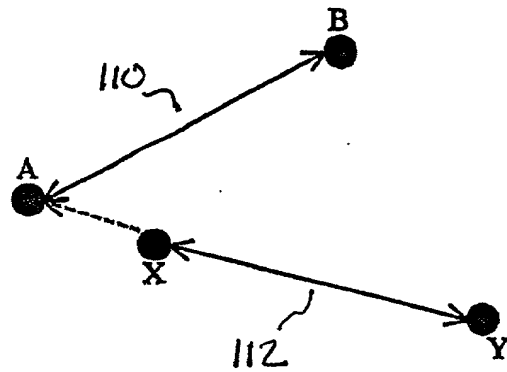


FIGURE 1

09/23/2001 10:00:00

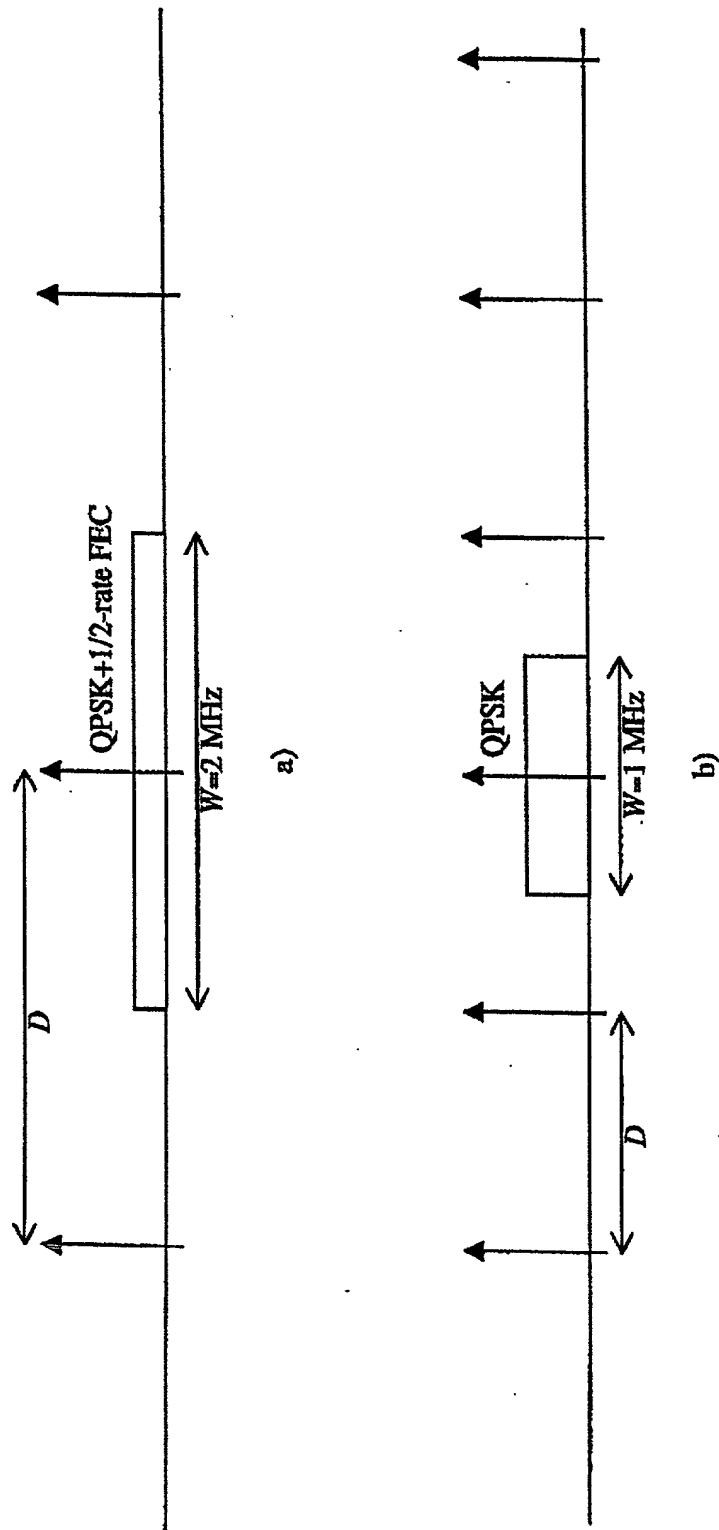


FIGURE 2

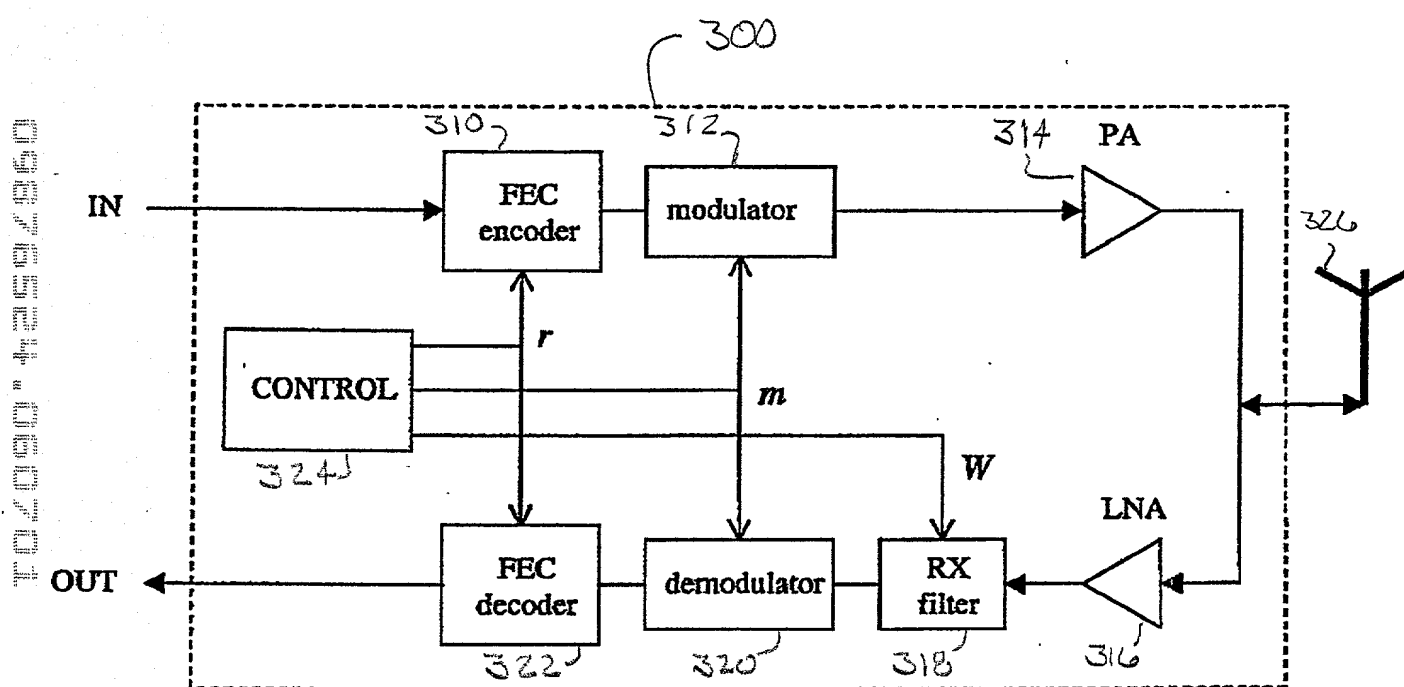
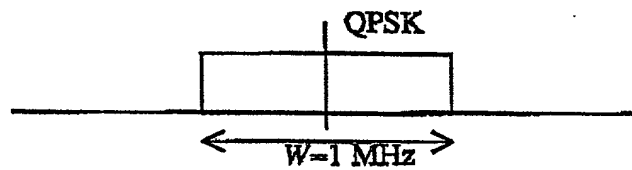
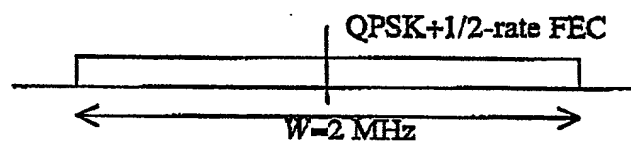


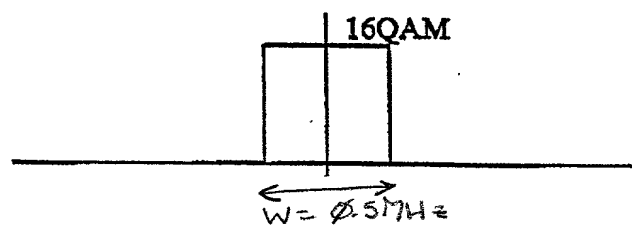
FIGURE 3



a)



b)



c)

FIGURE 4

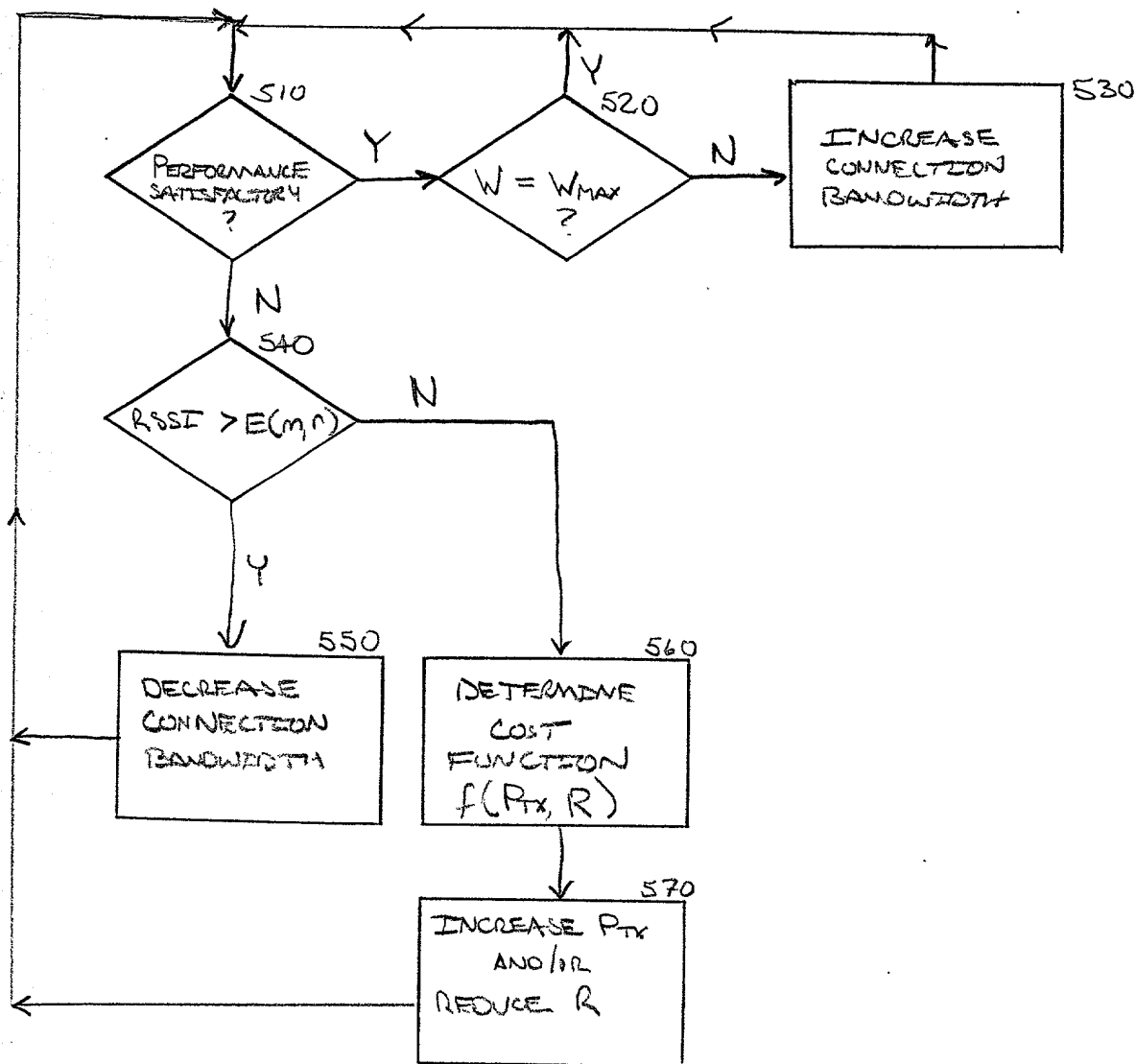


FIG. 5

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	FEC CODING RATE	M $\frac{\text{BITS}}{\text{SYMBOL}}$	SIGNAL BANDWIDTH	NET USER RATE
64-QAM	1	6	$\frac{1}{3} W$	$2 W$
64-QAM	$\frac{3}{4}$	6	$\frac{4}{9} W$	$2 W$
16-QAM	1	4	$\frac{1}{2} W$	$2 W$
8-PSK	1	3	$\frac{2}{3} W$	$2 W$
8-PSK	$\frac{3}{4}$	3	$\frac{8}{9} W$	$2 W$
QPSK	1	2	W	$2 W$
QPSK	$\frac{3}{4}$	2	$\frac{4}{3} W$	$2 W$
QPSK	$\frac{2}{3}$	2	$\frac{3}{2} W$	$2 W$
QPSK	$\frac{1}{2}$	2	$2 W$	$2 W$
QPSK	$\frac{1}{3}$	2	$3 W$	$2 W$

FIGURE 6